PRESIDENTIAL ADDRESS:

From progress to poverty—M. B. Joyce 1

HARRY STOBBS MEMORIAL LECTURE 1984

The savanna resource in ruminant production systems—R. F. Barnes .. 99

CONTRIBUTED PAPERS

Influence of stocking rate on the recovery of legume in tropical grass legume pastures—T. M. Davison and G. W. Brown 4

Adaptation of improved pasture species in the highlands of Northern Thailand. 1. The 1200 to 1500 m zone—T. A. Gibson and A. C. Andrews. 10

Adaptation of improved pasture species in the highlands of Northern Thailand. 2. The 800 m zone—A. C. Andrews and T. A. Gibson .. 17

Effect of cutting height on lucerne (*Medicago sativa*) cultivars—K. F. Lowe, T. M. Bowdler and G. N. Schrodter 24

Diseases of *Macroptilium atropurpureum*—A review—J. M. Lenné and R. M. Sonoda 28

Preliminary studies with fertilizers and legumes for improving the natural grasslands of the Aruliho Land System, Guadalcanal—M. A. Smith 35

A survey to assess the influence of environment and management on frequency, vigour and chemical composition of *Trifolium sempilosum* cv. Safari in south eastern Queensland—B. G. Cook, J. C. Mulder and B. Powell 49

Effects of three levels of nitrogen and mowing on pasture and animal production from spring/summer grazed *Panicum maximum* var. *trichoglume* (green panic) pastures—K. B. Addison, D. G. Cameron and G. W. Blight 59

Potential of leucaena grown for forage production in the Ryukyu Islands, sub-tropical Japan—Yukio Kitamura 68

The effects of five nitrogen rates on the yield and nitrogen usage in Setaria alone, Desmodium alone and Setaria/Desmodium mixed sward over three years—P. C. Whiteman, O. Royo, E. A. A. Dradu and P. Roe 73

Growth, canopy structure and chemical composition of *Lablab purpureus* cv. Rongai at Samford, S.E. Queensland—R. E. Hendricksen and D. J. Minson 81

Long-term variation in the density of *Astrebla* spp. in the Warrego region of Queensland—R. Roe and H. I. Davies 87

PRESIDENTIAL ADDRESS:

From progress to poverty—M. B. Joyce 1

HARRY STOBBS MEMORIAL LECTURE 1984

The savanna resource in ruminant production systems—R. F. Barnes .. 99

CONTRIBUTED PAPERS

Influence of stocking rate on the recovery of legume in tropical grass legume pastures—T. M. Davison and G. W. Brown 4

Adaptation of improved pasture species in the highlands of Northern Thailand. 1. The 1200 to 1500 m zone—T. A. Gibson and A. C. Andrews. 10

Adaptation of improved pasture species in the highlands of Northern Thailand. 2. The 800 m zone—A. C. Andrews and T. A. Gibson .. 17

Effect of cutting height on lucerne (*Medicago sativa*) cultivars—K. F. Lowe, T. M. Bowdler and G. N. Schrodter 24

Diseases of *Macroptilium atropurpureum*—A review—J. M. Lenné and R. M. Sonoda 28

Preliminary studies with fertilizers and legumes for improving the natural grasslands of the Aruliho Land System, Guadalcanal—M. A. Smith 35

A survey to assess the influence of environment and management on frequency, vigour and chemical composition of *Trifolium sempilosum* cv. Safari in south eastern Queensland—B. G. Cook, J. C. Mulder and B. Powell 49

Effects of three levels of nitrogen and mowing on pasture and animal production from spring/summer grazed *Panicum maximum* var. *trichoglume* (green panic) pastures—K. B. Addison, D. G. Cameron and G. W. Blight 59

Potential of leucaena grown for forage production in the Ryukyu Islands, sub-tropical Japan—Yukio Kitamura 68

The effects of five nitrogen rates on the yield and nitrogen usage in Setaria alone, Desmodium alone and Setaria/Desmodium mixed sward over three years—P. C. Whiteman, O. Royo, E. A. A. Dradu and P. Roe 73

Growth, canopy structure and chemical composition of *Lablab purpureus* cv. Rongai at Samford, S.E. Queensland—R. E. Hendricksen and D. J. Minson 81

Long-term variation in the density of *Astrebla* spp. in the Warrego region of Queensland—R. Roe and H. I. Davies 87

Some factors influencing the growth of young beef cattle grazing improved pastures in south-east Queensland—T. J. Tierney, W. J. Taylor and K. G. Bean 109

Reaction of lucerne cultivars and lines to Australian isolates of a *Stemphylium* sp.—J. A. G. Irwin, R. Dill-Macky and R. A. Bray .. 145

Establishment of *Stylosanthes* spp. and siratro in drier (< 750 mm annual rainfall) inland areas of central Queensland—T. W. G. Graham and F. W. Muller 149

Adaptation and agronomy of *Clitoria ternatea* L. in northern Australia—T. J. Hall 156

The effect of cutting interval on the yield and nutritive value of some tropical legumes on the coastal grassland of Ghana—M. B. Adjei and F. K. Fianu 164

Testing new *Centrosema* germplasm for acid soils—R. Schultze-Kraft and G. Keller-Grein 171

TECHNICAL NOTES:

Fertilizer requirements for *Stylosanthes guianensis* oversown into the grassland foothills of Guadalcanal—R. C. Gutteridge and R. J. G. Steel 40

The relationship of seeding and nodulation to the slow establishment of clustered clover on traprock soil—A. Diatloff and I. F. Swann .. 116

Photosensitization jaundice syndrome in West African dwarf sheep and goats grazed on *Brachiaria decumbens*—B. A. Opasina 120

PROCEEDINGS:

Beef cattle and pasture production in the Beaudesert region—field meeting, November 23, 1984 43

Fertilizers for pastures—their use or abuse—field meeting, Canungra, May 10, 1985 123

Woodland management—field meeting, Brisbane Valley, October 11, 1985 180

NEW RELEASES OF PASTURE PLANTS:

Medicago sativa (lucerne) cv. sequel 138

Medicago truncatula (barrel-medic) cv. Sephi 139

Centrosema pascuorum (centurion) cv. Cavalcade 141

Aeschynomene americana (American joint vetch) cv. Glenn 143

AUTHOR INDEX

	page
Addison, K. B.	59
Adjei, M. B.	164
Andrews, A. C.	10, 17
Barnes, R. F.	99
Bean, K. G.	109
Blight, G. W.	59
Bowdler, T. M.	24
Bray, R. A.	145
Brown, G. W.	4
Cameron, D. G.	59
Cook, B. G.	3, 49
Davies, H. I.	87
Davison, T. M.	4
Diatloff, A.	116
Dill-Macky, R.	145
Dradu, E. A. A.	73
Fianu, F. K.	164
Gibson, T. A.	10, 17
Graham, T. W. G.	149
Gutteridge, R. C.	40
Hall, T. J.	156
Hendricksen, R. E.	81
Irwin, J. A. G.	145
Joyce, M. B.	1
Keller-Grein, G.	171
Kitamura, Y.	68
Lenné, J. M.	28
Lowe, K. F.	24
Minson, D. J.	81
Mulder, J. C.	49
Muller, F. W.	149
Opasina, B. A.	120
Powell, B.	49
Roe, P.	73
Roe, R.	87
Royo, O.	73
Schrodter, G. N.	24
Schulze-Kraft, R.	171
Shaw, K. A.	3
Smith, M. A.	35
Sonoda, R. M.	28
Steel, R. J. H.	40
Swann, I. F.	116
Taylor, W. J.	109
Tierney, T. J.	109
Whiteman, P. C.	73

1.0
1.1
1.25
1.4
1.6
2.8
2.5
3.2
2.2
3.6
2.0
4.0
1.8